

22870

**STIC-Biotech/ChemLib**

**From:** Hutzell, Paula  
**Sent:** Thursday, December 09, 1999 7:01 PM  
**To:** STIC-Biotech/ChemLib; Davis, Minh-Tam  
**Subject:** FW: Rush sequence search request

approved

*priority date*  
*1/21/97*

-----Original Message-----

**From:** Davis, Minh-Tam  
**Sent:** Tuesday, December 07, 1999 12:12 PM  
**To:** Hutzell, Paula  
**Subject:** Rush sequence search request

I would like to request a rush sequence search for case No: 09/387340

Please search in commercial data base and for interference:

- 1) A fusion protein consisting of 1) at the amino-terminal end, amino acid positions 1-35 of SEQ ID No:38, 2) in the middle, SEQ ID No:10, or 30 carboxy-terminal amino acids of the amino acid sequence encoded by the nucleotide sequence of SEQ ID NO:1, and 3) at the carboxyl terminal end, amino acid positions 10-183 of SEQ ID No:38.
- 2) A fusion protein consisting of 1) at the amino-terminal end, amino acid positions 1-90 of SEQ ID No:38, 2) in the middle, SEQ ID No:10, or 30 carboxy-terminal amino acids of the amino acid sequence encoded by the nucleotide sequence of SEQ ID NO:1, and 3) at the carboxyl terminal end, amino acid positions 80-183 of SEQ ID No:38.
- 3) A fusion protein consisting of 1) at the amino-terminal end, amino acid positions 1-69 of SEQ ID No:38, 2) in the middle, SEQ ID No: 29, and 3) at the carboxyl terminal end, amino acid positions 76-183 of SEQ ID No:38.
- 3) A fusion protein consisting of 1) at the amino-terminal end, SEQ ID No:38, 2) in the middle, the amino acid sequence encoded by the nucleotide sequence of SEQ ID NO:1, and 3) at the carboxyl terminal end, SEQ ID No:38.

Thank you.

Minh-Tam Davis  
ART UNIT 1642, Room 8A01  
305-2008

**Point of Contact:**  
**Susan Hanley**  
**Technical Info. Specialist**  
**CM1 12C14 Tel: 305-4053**

CM1 12C14 Tel: 305-4053  
Technical Info. Specialist  
Susan Hanley  
Point of Contact:

Sequence 1, Application US/09387340

GENERAL INFORMATION:

APPLICANT: Needleman, Philip  
APPLICANT: Glenn, Kevin  
APPLICANT: Krul, Elaine  
APPLICANT: Gamsen, Edward P.  
TITLE OF INVENTION: An Immunological Process and Constructs  
TITLE OF INVENTION: for increasing the HDL Cholesterol Concentration  
NUMBER OF SEQUENCES: 50  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Welsh & Katz, Ltd.  
STREET: 120 South Riverside Plaza, 22nd Floor  
CITY: Chicago  
STATE: IL  
COUNTRY: USA  
ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/387,340

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:  
NAME: Gamsen, Edward P.  
REGISTRATION NUMBER: 29,381  
REFERENCE/DOCKET NUMBER: MON-102.0 6018/69242  
TELEPHONE: (312)655-1500  
TELEFAX: (312)655-1501

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
LENGTH: 1431 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
POSITION IN GENOME:  
UNITS: bp  
PUBLICATION INFORMATION:  
AUTHORS: Dayna, Dennis  
AUTHORS: Jarnagin, Alisha Stephens  
AUTHORS: McLean, John  
AUTHORS: Henzel, William  
AUTHORS: Kohr, William  
AUTHORS: Fielding, Christopher  
AUTHORS: Lawn, Richard  
TITLE: Cloning and sequencing of human cholesteryl  
TITLE: ester transfer protein cDNA  
JOURNAL: Nature  
VOLUME: 327  
PAGES: 632-634  
DATE: June 18-1987

seq1\_1  
CSKGTSHGAGVCRITKPAALVNHETAVIQTAFORASYPDITGERKAMMLQOVXGLNINIOISHLISA  
SSQVELVEAKSIDVSIONVVFRTAMWLKIDQSEIDSIDQIMTOLDCGRVATDA  
PCYLFHFHLLLOGEKREPMKOLFTNISTLLVKGQICKEINVTIMADPEVOTRAASITSDG  
IGVDISTGDPTTASYLESHHGHFTYKNSVSDLDLPFSPILLDSRLVWFSERVHSLAKAFOD  
GRMLSMDEFRAYLETGNTGNOETFOEVYVGGFSPQAOVYHCLMKRISCONGVVNVSSVWAKFLE  
PRDOOHSAYVITEEDIVTVVQASYSKKLFLLDFOITPKVSNCTESSSESIOFLOSMITAVGIPF  
VMSRLEVEFTALMNSKVSLEIDINPEIITRDGFLLOMDFGPEHLLVDLFLOSLSX1

seq1\_2  
APKAPTRQASCAASPLSPMCXTTRLPSSRPSSSEPAOTISRARPRXSLAKSSMCGTTSRACRPS  
AARMSSWAKSPILMSRPTCLMSRQXSMATPLPGCHVLISPTISSTLDTSRSHXAVTIVECGPMP  
LRTICLSISCSISKSSGSSQSSQSSPSPKSMXDRARAKSTSLTSPILSRGOLPASQOMET  
LGWTFPXQVIPSQPTWSPITRVISSTRMSQRTSPSPRPCHWGTIPACCTGSLSESTWPRXLSRM  
AASCSAXWETSROCRPAGSPTRPKRSKSLASAPRPSCTASRCRSPAKTRRESWIILOXWNSF  
HAOTSNILXTHLRKISLPSRPILKRSKSLASAPRPSCTASRCRSPAKTRRESWIILOXWNSF  
SCGSRXCCQPSXTAKAXASSTSTLRSLSLKMASSCCCRWTLASLSTCMTWISSRAXAI

this is the translated  
info to frame for seq ID #1  
the best sequence (having  
the fewest "X" is)

this, the highlighted  
letters are the last  
30 AAs used to construct  
the negatively charged  
"X" was not included in the last 30

seq1\_3  
LORHLARGRFVPHNACRPGVEPRPCGHPRLPASQLPRIHGRBCHAPRPSQVYVQHPDQPLVHRO  
QPGGAGSVOVHXCLHSERVCGLDPEVWLHHCVLVAGIYSVHXLRORLHXHPDQHTADLXMXSADRC  
XLPVFPXAPAPRPGARAWADAAVHKFHLHPPEAGPCTDLOROHRLXHNHGRCPKCGHPRMRH  
WGHFDRKSRHSLLPVPSGSGFHLQECRLRPPPHLLAHVAGLPHVLLVLAASGLAGOGSPG  
PPHAGDGRVVOGSGADGLOHOPGNLPGCRRLPQGPSRHLPPDADDLKPSGROGPFSDGSIPTPS  
TRPAPFCSHIRKGRDRLRGLLFYKHALKRLGFPDYTKOCFOQDXDLQRLVHPLPANDRCHHPX  
HNSRVSIVSPHOQRREPLRHQPYDHSRWLPLAADGLMPLXAPAGCPPELE1

seq1\_4  
LAQLEIHOQVLEAKVHLOOQEAISDNLRYDVDEEAHAFAVEGCKHYLEPRHDLRDAHSGDXLOE  
ALDGLAALSOVGNLSIMCNLEIOEAHELEFLRIGLDGSHDILFKVYSRMLMWMKEFHHRXLDHD  
SLVLADGLHLEAVDDGLAGRAANLLEDELYVYEAERGLQCELYVSHQAHKEAITESTYIGQVYEDS  
LREPEVQHGAVPOQCGREGGEVLDLVDENTLVAGLVGGCDGCTTCQGVHFNVSIXKDGSPCLD  
KIGHVARDVDLFDLADLQDEDEICEQLDPPRLSLPLEMOELMERQVAVRIGIPSTRTGOL  
CVLEVNGRYDLEVNLINTOPPGSGVALLOGLEDEHRYHVLNDINGLGFHQLHAAAGGOVADLDVVO  
ILDLAKEHHOLLARDIWMVAGSLEGGDLDGLSLVYHQEGRLGAADACLVRAFGAL1

seq1\_5  
XLLMRKSTSRGSGKRCSTCSSNRKPSRVIISGLMSKRLTPLLFRNAVTTSSRDMTSGMPTAVIIDCR  
LMDSELLSVKLETVGVIMKSRKLSFLEKEANTVVTISSNYXATECCMSGRGKRNFTTEELTTT  
PLFMQELILRQMTVMWMLGKPLPTSMKISWLVLPQVSSYALNSPILRLMRPMTATLASMKTR  
SENOKTSMRSPSSVGEKGRGSRSEFLMXKXPLKWDSSKXEAVMGSPVREMTSPSPERMLAALVMT  
KSNMTEMLTISLOCPRTSPFRVEMKFTVNSCLIHPSGRSPRCRSSILMKDXOGASVTRLPEOVSC  
VLIRSMABISKSMDSIIPSHOAVVYPTFRVPLKTTDTFTXMETSDLASTSTWLLADKWLIMLNCN  
YLTPSPSIVAFSPVIGSLARWKAVMWTLAVSWENTFRAGLVNHRHTMPASCEVPLE1

seq1\_6  
SSSSGNGNPPAGAGSOSPASAAGSHLEXXXSGXXCRGSRLLCCXGLXTLPRAETYPDQGPORXSILTAG  
SGWTRSCSSOSMWSOSLYXGNPRLGRARXSNRPGRXSRYPLOMKLONVAGLOVGRGISPSLAKXPRL  
PCGRSRMSAXSGSRKXLPROMGSRROPLGRFPOMCXSPSPALPXLRLPSGAXXGHPPLPAPAGRLA  
ORTRSTACSPSPVAVMARWGGGGLPHSCRXNDPCGTGGRRLXADHLSGKPPCCLHLKGGWOLSGO  
NRPCXCRXSLRCLSPVSGSAGSRXRXNLTAAXSTOALAPLDGAAVAGCTSSOGSHLALQOSHRSAV  
CXGGGOMOSRSRQOMTDQYPATROMCSHTSGSPXROTSEMRHQTWLPAPAGCWMRTSGXSGCCATH  
TYAGQASWPSRXYLYGSMLAGRSGXPMOSRGSTRGGAAMXGCTCLPRARCLM1

*[Faint handwritten notes, possibly bleed-through from the reverse side.]*

Sequence 10, Application US/09387340  
GENERAL INFORMATION:  
APPLICANT: Needleman, Philip  
APPLICANT: Glenn, Kevin  
APPLICANT: Krul, Elaine  
APPLICANT: Gamsen, Edward P.  
TITLE OF INVENTION: An Immunological Process and Constructs  
TITLE OF INVENTION: for Increasing the HDL Cholesterol Concentration  
NUMBER OF SEQUENCES: 50  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Welsh & Katz, Ltd.  
STREET: 120 South Riverside Plaza, 22nd Floor  
CITY: Chicago  
STATE: IL  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/387,340  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Gamsen, Edward P.  
REGISTRATION NUMBER: 29,381  
REFERENCE/DOCKET NUMBER: MON-102.0 6018/69242  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312)655-1500  
TELEFAX: (312)655-1501  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 22 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-09-387-340-10  
LLQLQMDGFEHLVDFLQSL1

Sequence 29, Application US/09387340  
GENERAL INFORMATION:  
APPLICANT: Needleman, Philip  
APPLICANT: Glenn, Kevin  
APPLICANT: Krul, Elaine  
APPLICANT: Gamsen, Edward P.  
TITLE OF INVENTION: An Immunological Process and Constructs  
TITLE OF INVENTION: for Increasing the HDL Cholesterol Concentration  
NUMBER OF SEQUENCES: 50  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Welsh & Katz, Ltd.  
STREET: 120 South Riverside Plaza, 22nd Floor  
CITY: Chicago  
STATE: IL  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/387,340  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Gamsen, Edward P.  
REGISTRATION NUMBER: 29,381  
REFERENCE/DOCKET NUMBER: MON-102.0 6018/69242  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312)655-1500  
TELEFAX: (312)655-1501  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 26 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
PUBLICATION INFORMATION:  
AUTHORS: Swenson, T. L.  
AUTHORS: et al.,  
JOURNAL: J. Biol. Chem.  
VOLUME: 264  
PAGES: 14318-14326  
DATE: 1989  
US-09-387-340-29  
RDGFLQLQMDGFEHLVDFLQSL1

Sequence 38, Application US/09387340  
GENERAL INFORMATION:  
APPLICANT: Needleman, Philip  
APPLICANT: Glenn, Kevin  
APPLICANT: Krul, Elaine  
APPLICANT: Gamson, Edward P.  
TITLE OF INVENTION: An Immunological Process and Constructs  
TITLE OF INVENTION: for Increasing the HDL Cholesterol Concentration  
NUMBER OF SEQUENCES: 50  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Welsh & Katz, Ltd.  
STREET: 120 South Riverside Plaza, 22nd Floor  
CITY: Chicago  
STATE: IL  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/387,340  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Gamson, Edward P.  
REGISTRATION NUMBER: 29,381  
REFERENCE/DOCKET NUMBER: MON-102.0 6018/69242  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312)655-1500  
TELEFAX: (312)655-1501  
INFORMATION FOR SEQ ID NO: 38:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 183 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-387-340-38  
MDIDYKKEGATVELLSFLPSDFPFSVRDLDTASALYREALESPHCSPHHALTALROAILCWEGLMTLAT  
WGVNLEDPASRDLYVSVNTMGLEKFRQLMFIHISCLTFGRRTYIEIYVFCVWIRTPTPAYRPNAPITL  
STLPETTVYRRGRSPRRRTFSPRRRSOSPRRRRSQSRRESOCI